

AMSCO Maintenance Manual



INSTRUMENT WASHER-STERILIZER

11x11x24" Cyclomatic

(2/88)

P-750203-001

INSTRUMENT WASHER-STERILIZER

11x11x24" Cyclomatic

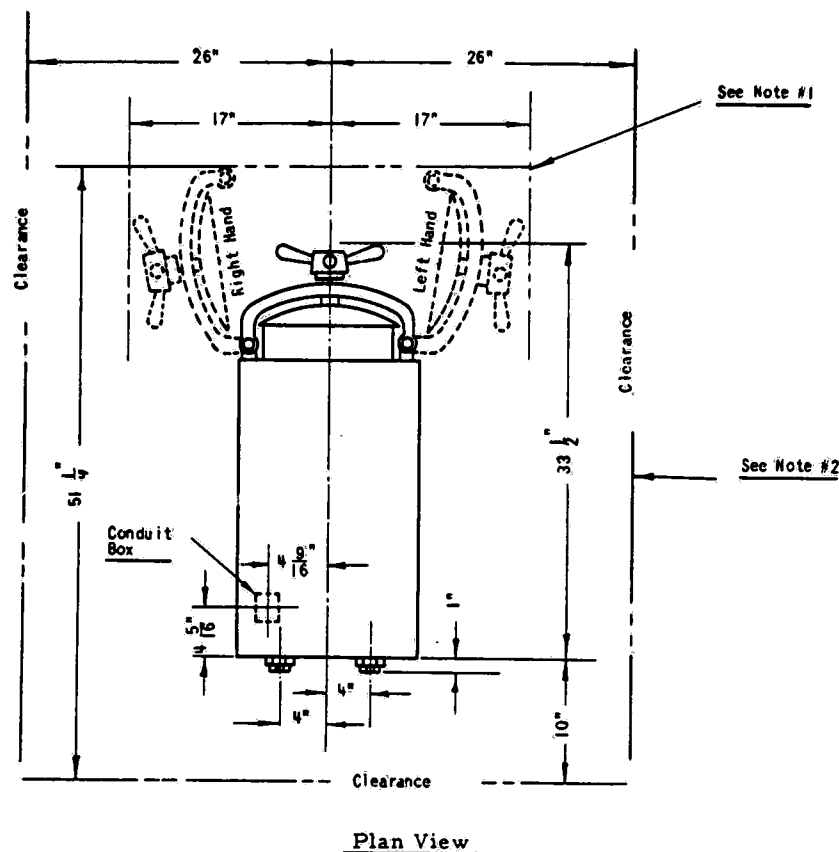
(2/88)

P-750203-001

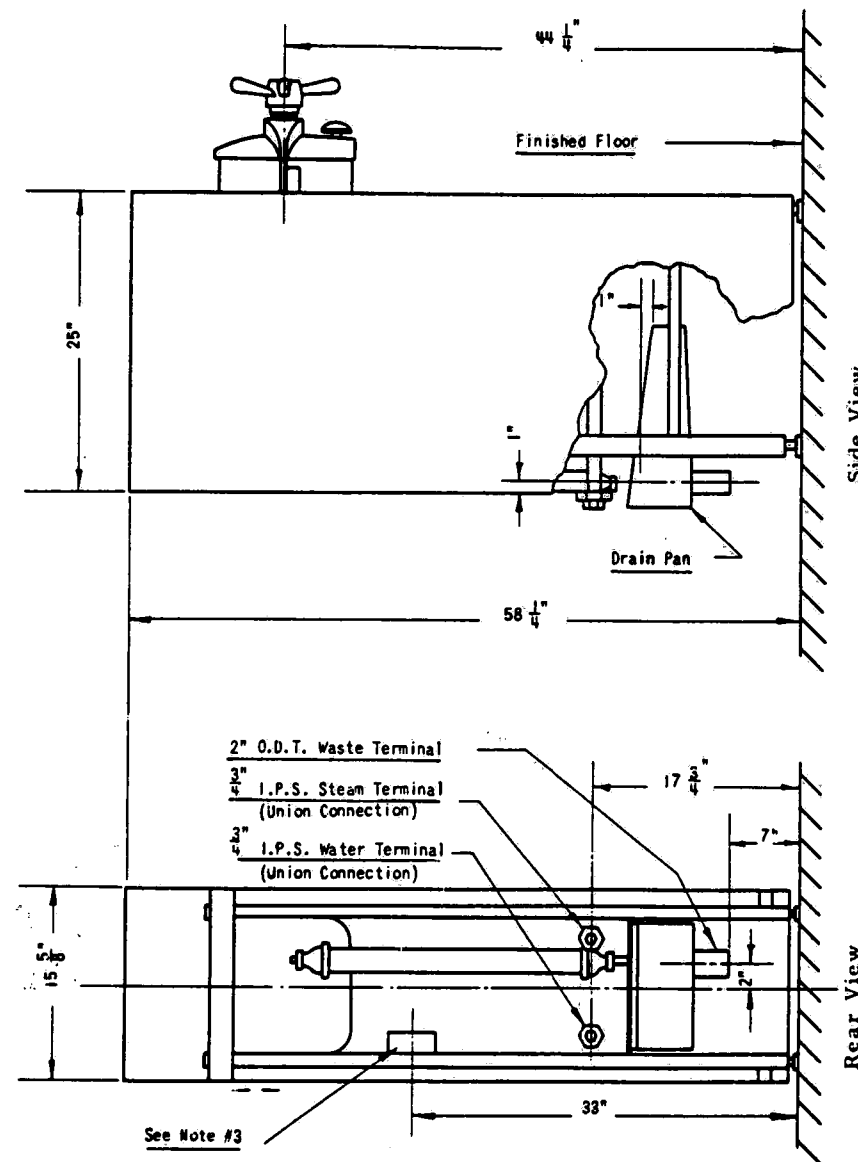
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- Note #1 - Clearance Lines shown are for either right or left hand door.
- Note #2 - Clearance indicated, is to provide work space for servicing. Where adjacent equipment is portable, this distance may be reduced.
- Note #3 - 1/2" Conduit Box. Other contractors to provide 120 Volt - 60 Cycle 3/8" AMP. A.C. service and make connections.
- Note #4 - Contractor to provide for short swing connections to terminals.
- Note #5 - Pipe sizes indicate the terminal outlets only. Piping back of outlets must be increased in size to one pipe size larger to insure adequate service.
- Note #6 - Piping between sterilizer terminals and wall or floor outlets is not furnished by AMSCO, except by written agreement. When piping to roughing-in is furnished, owner to advise exact location of roughing terminals.
- Note #7 - AMSCO assumes no responsibility for changes made necessary through failure to observe these instructions.
- Note #8 - Steam, where indicated, should be delivered to apparatus at not less than 50 LBS. per square inch.
- Note #9 - Water, where indicated, should be delivered to apparatus at not less than 20 LBS. per square inch.
- Note #10 - AMSCO recommends shutoff valves on steam and water supply lines, valves not by AMSCO.



APPROXIMATE TOTAL WEIGHT - 300 LBS.

Note #3 revised
R added 3-14-56

ARRANGEMENT OF "AMERICAN" STERILIZERS FOR
11 x 11 x 24 Pressure Instrument Washer
and Sterilizer - Cyclomatic Control
Open Mounted - Left or Right Hand Door - Steam Heat
AMERICAN STERILIZER COMPANY
ERIE, PENNA.

DATE 12/15/55 SCALE 1" = 1'-0" DRAWN J.A.R.L. CHECKED

E 16875R

Room No.
Item No.

Supersedes E16875

"AMERICAN" CYCLOMATIC INSTRUMENT WASHER - STERILIZER

CYCLOMATIC CONTROL—STEAM JET HEAT

MAINTENANCE INSTRUCTIONS

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1 **Pressure Regulator.** This sterilizer is equipped with an adjustable pressure regulator. It is set at the factory to maintain 20 to 30 pounds pressure. Adjustment screw on regulator, increases pressure when turned clockwise; decreases pressure when turned counterclockwise. Make all adjustments with heat on and in chamber.

2 **The Steam Supply Line.** When sterilizer is put into service, check steam strainer to see that there is no interruption to steam flow. Any considerable variation in steam supply pressure will be reflected in sterilization regulation. A pressure of about 60 pounds at the sterilizer is desirable. Under no condition shall there be less than 45 pounds pressure at sterilizer. If sterilizer is noisy in heating up, this is an indication of carryover of water with steam.

3 **The Water Supply Line.** When sterilizer is put into service, check strainer to see that there is no interruption to water flow. A minimum pressure of about 30 pounds at sterilizer is desirable.

4 **Inspection of Chamber Discharge System.** Frequent inspection is advisable, to keep this line clean and operating correctly. If plug screen on inside of chamber is kept clean by daily cleaning, there will be little if any clogging. If dirt gets into line, it will clog thermostatic steam trap and valves. When there is evidence that the trap is not functioning properly, secure a new element for trap or an entirely new trap from our nearest district office.

5 **Valves.** If there is any indication that the valves are not functioning properly, remove valve and check bellows and for any dirt which may be keeping the valve from seating properly. New parts may be secured from our nearest district office.

6 **The Safety Door Lock.** The door of this sterilizer automatically locks during operation of sterilizing cycle. When door is closed tightly and operating indicator is turned to "Fill" or "Ster", the trip arm will rise to engage clutch preventing counterclockwise rotation of handwheel to unlock door. Wheel can always be turned clockwise to tighten door. If at end of cycle the clutch fails to release, turn handwheel slightly to right. This will usually relieve the friction so the clutch may be released. If the clutch still doesn't release, the trip arm may be adjusted too high. Or if the door doesn't lock when cycle is started, the trip arm may be adjusted too low. To correct this there is an adjustment at rear of trip arm to raise or lower the trip arm.

At intervals of three months or so put a few drops of heavy machine oil on thread of stud on which door centers and in oil hole back of handwheel.

7 **The Door Gasket.** When door fails to close steam tight under normal closing pressure, renew gasket, which can be secured from our nearest district office. In removing

old gasket, scrape groove clean. Gasket is cut to a tight fit in groove and must be forced in, a short section at a time, without stretching. Should gasket appear to be too long, do not cut it, but start over again, compressing short sections as inserted in groove, to take up full length.

8 **Cyclomatic Control** is designed to operate under adverse conditions of high heat and humidity, which are common to the sterilizing room. No periodic maintenance is necessary. With ordinary care in operation, this control will give trouble-free service. Electric current to the cyclomatic control must be 110-120 volts, 60 cycle, A. C. with a solid connection to the current source.

To replace a burned out fuse: Remove fuse holder by turning counterclockwise and pulling out. Fuse is mounted in socket of fuse holder, and can be removed by pulling out. Use care in replacing fuse holder—do not force when inserting into place. Fuse 3/8 Amp. Slo-Blo Type 3 AG.

To replace a burned out lamp: Unscrew lamp lens, push in on lamp, and turn counterclockwise to remove socket. Insert lamp by placing in socket and turning clockwise. Pilot lamp NE-S1, Miniature Bayonet Type Base. Now replace lens.

When selector switch is set on "Wash and Ster" or "Ster" should the red light not turn on and processing cycle start, open door and with a screw driver turn the push rod (located on center of machine under shell near front) counterclockwise one turn.

Repeat if necessary. Should adjusting of push rod, checking of power source, replacement of fuses, renewal of pilot lamp and the tightening of control knobs, fail to make the control operate properly, a trained serviceman should be consulted. Hospital personnel should not attempt to make any major repairs to the control. In case of failure, notify the District Office of American Sterilizer Company or distributor from whom the sterilizer was purchased.

Reset timer will operate only when sterilizing temperature has been reached. If temperature is reduced or electrical current supply shuts-off during timed cycle, the timer will reset to original setting and start new cycle, thus preventing unsterile goods from being removed from sterilizer.

This can be recognized when the following condition exists: The sterilizer is loaded and started on sterilizing time cycle. If it continues to operate longer than set time, this indicates that the electric circuit was interrupted to the timer and caused it to reset. Check points. Should the timer continue to re-cycle check the temperature, as it should remain constant during sterilizing cycle. Check main line steam pressure and electrical source for possible failure.

When ordering parts, specify serial number, located on sterilizer name plate, and operating direction Part Number 29753.

AMERICAN STERILIZER COMPANY • ERIE, PENNSYLVANIA
DESIGNERS AND MANUFACTURERS OF SURGICAL STERILIZERS, TABLES AND LIGHTS

"AMERICAN" CYCLOMATIC INSTRUMENT WASHER - STERILIZER

CYCLOMATIC CONTROL—STEAM JET HEATING

OPERATING INSTRUCTIONS

WASH AND STERILIZE

To Load. Promptly after use, collect soiled instruments and place in trays furnished with washer-sterilizer, making sure that jointed instruments are unlocked and fully opened.

Important: If soiled instruments are not going to be washed within 1/2 hour after becoming soiled, they should be kept under water until they can be admitted to the washer-sterilizer, to prevent the blood, tissue, etc., from caking on the instruments.

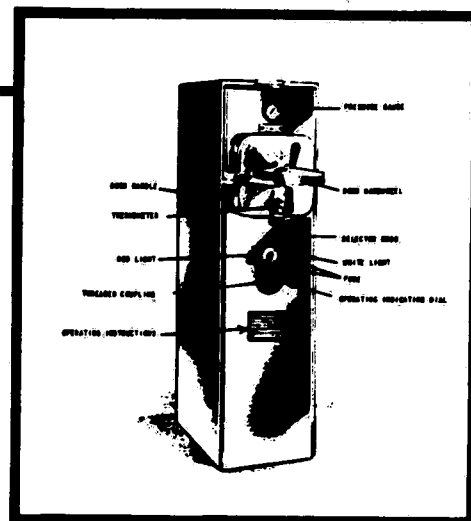
To Wash and Sterilize. Place loaded bottom tray on sliding supports and distribute one ounce American Sterilizer Company Liquid Detergent over load. Then place top tray on sliding support and close door tightly. Turn "Selector Knob" to "Wash and Ster" position. Red light will glow, indicating that processing cycle has started, and will remain on throughout complete cycle. The washer-sterilizer will automatically operate through the "Fill", "Wash", "Ster", and "Exh" operation. At end of processing cycle, a white light will glow and the buzzer will sound until operator turns "Selector Knob" to "Off" position. This will move the "Operation Indicator" to the "Off" position - white and red light will turn off and buzzer will be silenced. Open door slightly for a few seconds to permit escape of steam. Then open door fully and remove load.

For Emergency High Speed Sterilizing (3 minute or 7 minute)

1. 3 minute Sterilizing shall be used for sterilizing one or two instruments in an emergency only.
2. 7 minute Sterilizing shall be used when full trays of unwrapped instruments are sterilized.
3. Place clean (opened) instruments in trays. Place trays into chamber and close door tightly.
4. To Sterilize. Turn "Selector Knob" to "Ster. 3 min." or "Ster. 7 min." position. Red light will glow, operating indicator will turn directly to "Ster." position indicating that processing cycle has started. At end of processing cycle, a white light will turn on and the buzzer will sound until operator turns "Selector Knob" to "Off" position. "Operating Indicator" will automatically turn to "Off" position. White light will turn off and buzzer will be silenced. Open door slightly for a few seconds to permit escape of steam. Then open door fully and remove load.

Manual Operation. Wash and Ster. (Electrical Emergency)

1. After loading trays and adding detergent: (Close door tightly before inserting crank.) Remove crank located on drain pan at rear of machine and screw crank into threaded coupling at center of "Operating Indicator" dial.



NOTE: If dial should turn while inserting crank, turn crank clockwise a full revolution to the "Off" position before continuing to next step.

2. To Wash and Sterilize. Turn crank (clockwise only) to "Fill" position. Watch "Pressure Gauge" (at top of machine) until the hand moves away from the zero position. This will indicate that the chamber is now filled with water. It will take approximately 2 to 3 minutes to fill chamber under normal water pressure of approximately 45 pounds per square inch. Turn the crank clockwise to "Wash" position. Leave in "Wash" position until thermometer indicates 145 degrees to 155 degrees F.

Turn crank clockwise to "Ster." When thermometer indicates 270 degrees (29-30 pounds pressure,) begin timing 3 minute sterilizing period. At end of 3 minute period, turn crank clockwise to "Exh." When "Pressure Gauge" indicates zero pressure, turn crank clockwise to "Off." Open door and remove load.

Manual Operation for Sterilizing Only. After loading trays, shutting door tightly, and inserting crank. Turn crank (Clockwise) directly to the "Ster." position. When thermometer indicates 270 degrees F., (29-30 pounds pressure) begin timing exposure period for either 3 min. or 7 min. At end of exposure, turn crank to "Exh." and when pressure gauge indicates zero pressure turn crank clockwise to "Off." Open door and remove load.

Chamber drain screen should be removed from bottom of chamber interior and cleaned at least once a week.

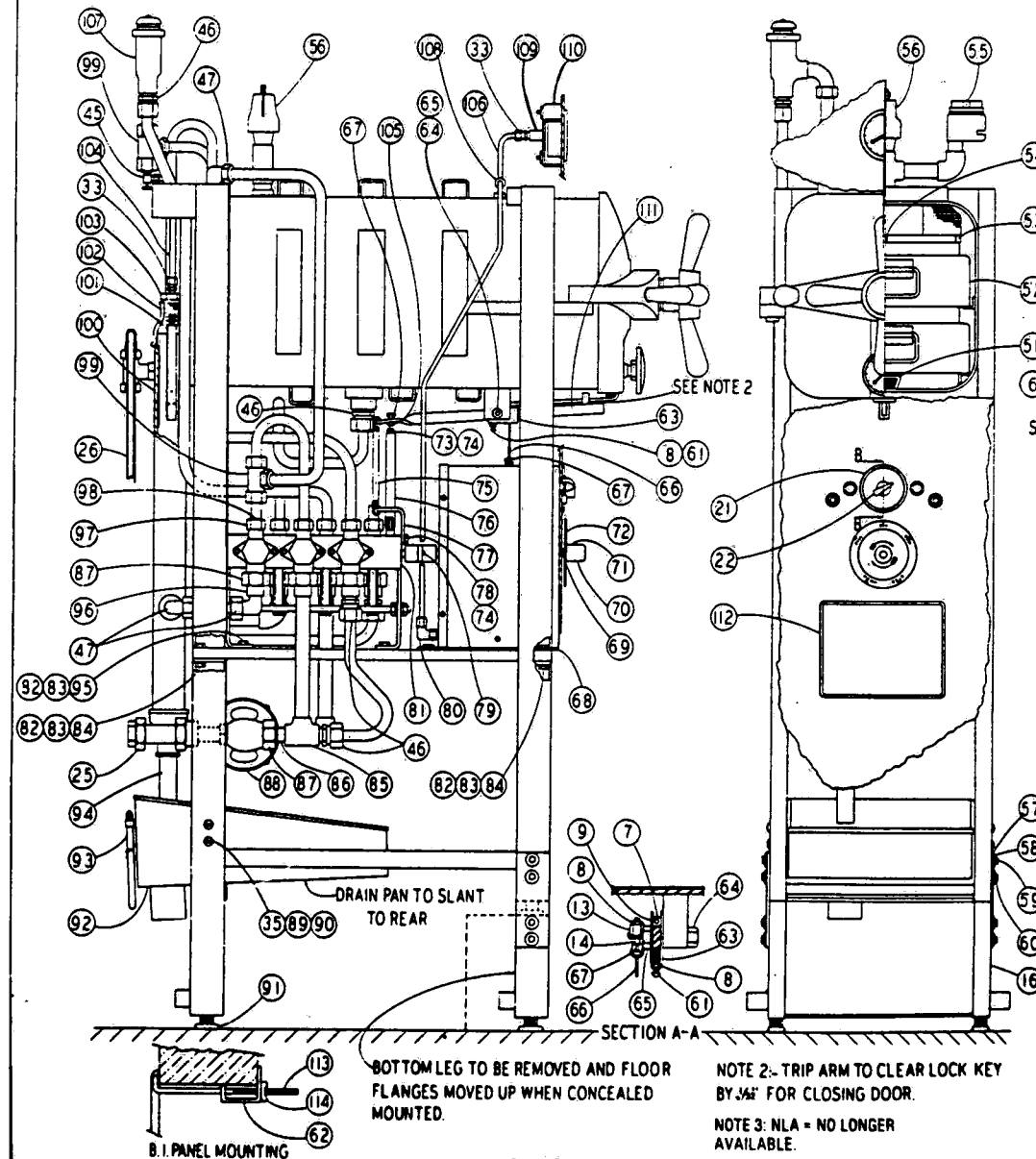
NOTE: Amount of detergent required depends upon the composition of the detergent and quality of tap water. Powder or crystalline detergents such as Calgonite, Edisonite, Naomocol or Drest may be used, but frequently they leave a deposit or film upon the instruments. The all-liquid surface-active detergent available from American Sterilizer Company is highly recommended.

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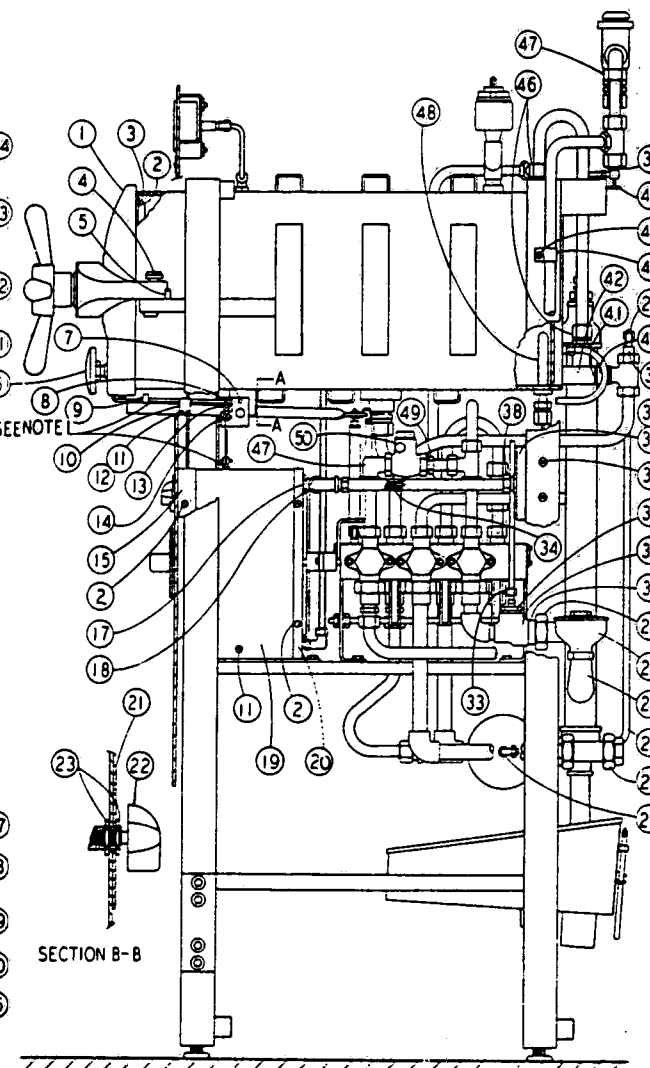
DESIGNERS AND MANUFACTURERS OF SURGICAL STERILIZERS, TRAYS, AND LIGHTS

BILL OF MATERIAL - NOT SHOWN			
NAME	PT NO	R D	
PANEL - SIDE D.M.	NLA	2	
PANEL - TOP D.M.	NLA	1	
PANEL - UPPER FRT D.M.	NLA	1	
PANEL - LOWER FRT D.M.	NLA	1	
PANEL - UPPER FRT B.I.	NLA	1	
PANEL - LOWER FRT B.I.	NLA	1	
TRIM - NOSE TOP	NLA	1	
TRIM - NOSE LOWER	NLA	1	



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BILL OF MATERIAL				BILL OF MATERIAL				BILL OF MATERIAL				BILL OF MATERIAL			
NO.	NAME	PT NO	R D	NO.	NAME	PT NO	R D	NO.	NAME	PT NO	R D	NO.	NAME	PT NO	R D
107	BREAKER-VACUUM	NLA	1	99	TEE-COMPRESSION	29932-091	3	50	CHECK-SWING	5446-051	1	1	DOOR ASSEM DWG	SM-103	
108	TEE-COMPRESSION	21549-091	1	100	PIPE ASSEMBLY	NLA	1	51	SCREEN-DRAIN ASSY	29903-042	1	2	SCREW-RD HD	NLA	12
109	COUPLING	1306-091	1	101	NIPPLE ASSEMBLY	NLA	1	52	TRAY ASSEMBLY	NLA	2	3	BAFFLE-DOOR	NLA	1
110	Gauge-PRESSURE	14364-091	1	102	COUPLING	NLA	2	53	SCREEN ASSEMBLY	74877-061	1	4	SCREW-RETAINER	13841-062	1
111	ARM-TRIP	29906-063	1	103	BUSHING	NLA	1	54	SCREW-RD HD	24840-061	1	5	STUD	13180-061	1
112	PLATE-INSTRUCT	29747-091	1	104	TUBING	NLA	1	55	RELIEF-VACUUM	29818-091	1	6	THERMOMETER	13638-091	1
113	BOLT-TIE	14660-045	8	105	SCREW	29916-045	1	56	VALVE-SAFETY	763710-001	1	7	NUT	29924-091	1
114	NUT-WING	NLA	8	106	TUBING	29954-091	1	57	BAR-BRACE	29844-010	2	8	NUT-HEX	3038-041	1
								58	LOCK WASHER	19680-041	8	9	PUSH ROD ASSEM	29907A-062	1
								59	SCREW-SOCKET HD	16868-041	8	10	CLAMP-PUSH ROD	29923-061	2
								60	NUT-HEX	3099-042	8	11	SCREW-RD. HD	3086-041	4
								61	SCREW-RD. HD	3987-041	1	12	NUT-ELASTIC	NLA	2
								62	CLAMP	14663-045	8	13	NUT-HEX	29925-091	1
								63	BRACKET	29911-061	1	14	STUD	29926-061	1
								64	NUT-HEX	3040-042	1	15	MOULDING	NLA	1
								65	BOLT-SHOULDER	29910-091	1	16	LEG-LOWER FRONT	29843-010	2
								66	ROD-CONNECTING	29912-061	1	17	ELL	22396-091	1
								67	COTTER PIN	8897-091	3	18	ELL	25389-091	1
								68	CONTROL ASSEM	SM-105	1	19	COVER-SIDES	29962-020	1
								69	SCREW-RD. HD	12451-041	2	20	COVER-BACK	29963-020	1
								70	BUSHING	29828-051	1	21	PLATE-SELECTOR	29966-032	1
								71	SCREW-SET	10585-041	1	22	HANDLE-SWITCH	29967-020	1
								72	PLATE-DIAL	29967-010	1	23	NUT-HEX	29817-042	2
								73	NUT-HEX	3065-041	1	24	ELL-COMPRESSION	6750-091	2
								74	LOCKWASHER	19678-045	3	25	STRAINER	29813-091	2
								75	SPRING	29808-061	1	26	TUBING	29971-091	1
								76	CAM LEVER ASSEM	NLA	1	27	ELL-STREET	1636-091	1
								77	GUIDE	NLA	1	28	TRAP	19000-091	1
								78	SCREW-SOC. HD	NLA	2	29	NUT-UNION	2903-091	1
								79	COUPLING	29915-045	1	30	SPUD-MALE	4247-091	1
								80	ELL-COMPRESSION	NLA	1	31	TEE	4925-091	1
								81	CAM & VALVE ASSEM	SM-104	1	32	BUSHING-REDUCING	11506-091	1
								82	LOCKWASHER	19679-041	10	33	CONN. STRAIGHT	6695-091	4
								83	NUT-HEX	13627-091	10	34	CORD-EXTENSION	NLA	1
								84	SCREW-HEX	3850-045	4	35	SCREW-RD. HD	9315-041	4
								85	TEE	4831-091	2	36	BOX-CONDUIT	23780-091	1
								86	SPUD-MALE	4202-091	1	37	COVER-BOX	23781-091	1
								87	NUT-UNION	2902-091	7	38	CONNECTOR	22456-091	1
								88	VALVE-STM. CONT.	29949-091	1	39	CONNECTION	29958-091	2
								89	NUT-HEX	29949-041	4	40	NOZZLE	29955-091	1
								90	LOCKWASHER	19677-041	4	41	GASKET	7841-091	1
								91	FLANGE-FLOOR	27570-045	4	42	TUBE-EJECTOR	25900-042	1
								92	PAN-DRAIN	29947-091	1	43	CLAMP	NLA	1
								93	CRANK	29922-062	1	44	SCREW-RD. HD.	10859-041	1
								94	NIPPLE	29942-091	1	45	VALVE-NEEDLE	6758-044	1
								95	SCREW-HEX	3898-045	6	46	CONN. STRAIGHT	29931-091	7
								96	SPUD-FEMALE	4246-091	6	47	ELL-COMPRESSION	23972-091	5
								97	NUT	29945-091	6	48	COVER-BULB	29970-091	1
								98	SLEEVE	NLA	6	49	ADAPTOR-ASSEM.	29960A-091	1



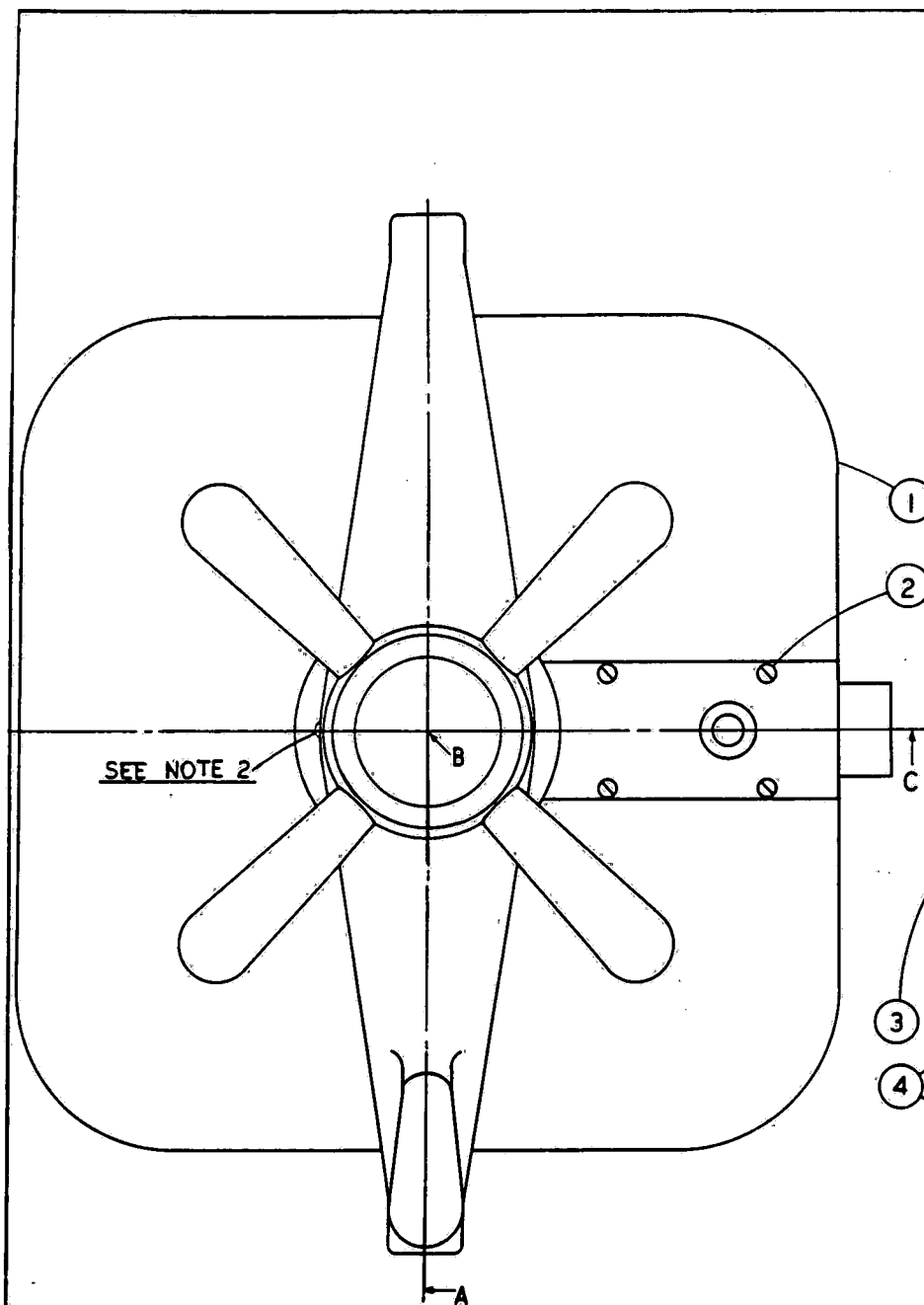
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REV. 2/88

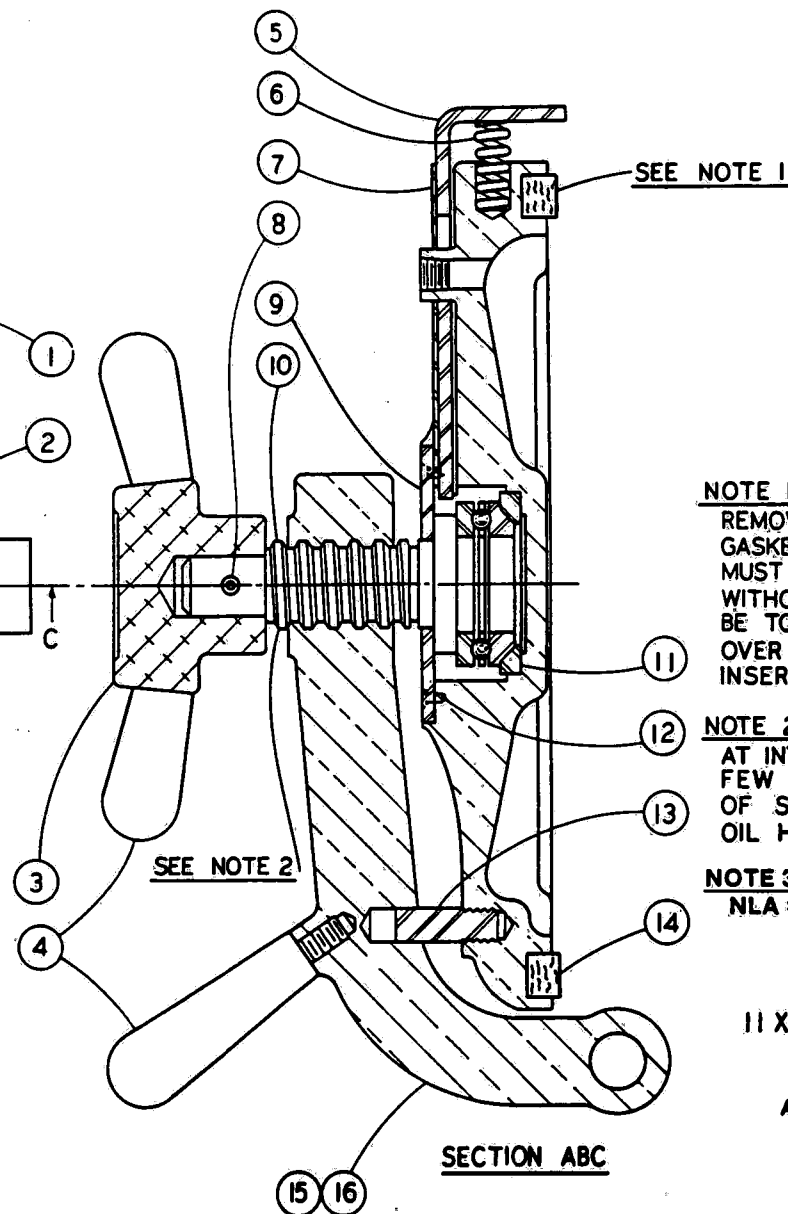
11X11X24 CYCLOMATIC WASHER STERILIZER

AMERICAN STERILIZER COMPANY, ERIE, PENNSYLVANIA.
APRIL 1956

SM-107



B-1



BILL OF MATERIAL			
NO.	NAME	PT. NO.	R'D.
1	DOOR	NLA	1
2	SCREW	NLA	4
3	HUB	13195-057	1
4	HANDLE	14108-091	5
5	DOOR LOCK	29846-063	1
6	SPRING	NLA	1
7	COVER PLATE	29847-061	1
8	GROOVE PIN	29848-045	1
9	PLATE	13908-063	1
10	DOOR POST	13196-091	1
11	THRUST BRG.	13700-091	1
12	SCREW	11249-041	4
13	PIN LOCATING	14114-061	2
14	GASKET	74375-091	1
15	BAR LOCK R.H.	13698-056	1
16	BAR LOCK L.H.	14665-056	1

NOTE 1

REMOVE OLD GASKET, SCRAPE GROOVE CLEAN. GASKET IS CUT TO A TIGHT FIT IN GROOVE AND MUST BE FORCED IN, A SHORT SECTION AT A TIME, WITHOUT STRETCHING. SHOULD GASKET APPEAR TO BE TOO LONG, DO NOT CUT IT, BUT START OVER AGAIN, COMPRESSING SHORT SECTIONS AS INSERTED IN GROOVE, TO TAKE UP FULL LENGTH.

NOTE 2

AT INTERVALS OF THREE MONTHS OR SO PUT A FEW DROPS OF HEAVY MACHINE OIL ON THREAD OF STUD ON WHICH DOOR CENTERS AND IN OIL HOLE, BACK OF HANDWHEEL.

NOTE 3

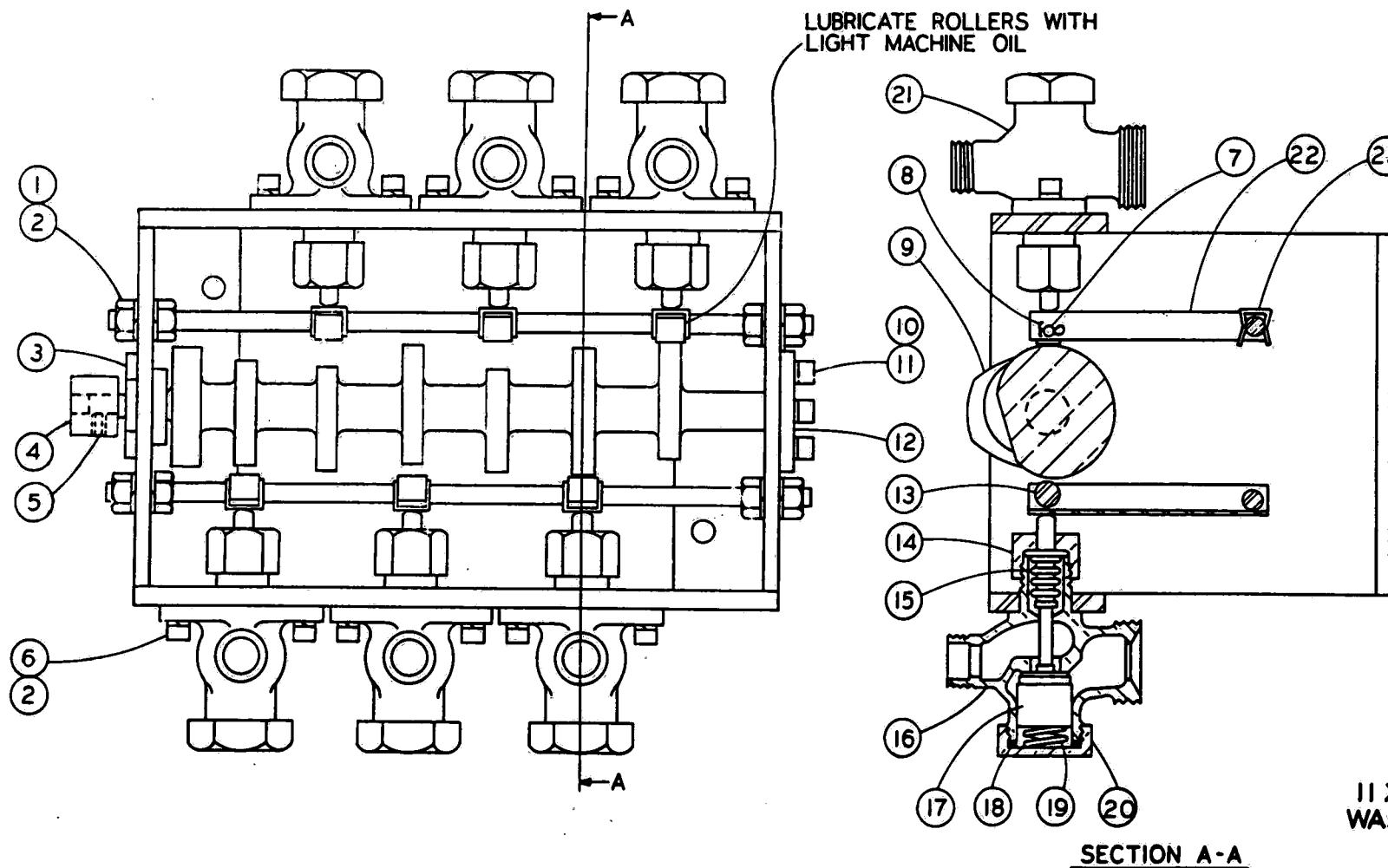
NLA = NO LONGER AVAILABLE.

11 X 11 X 24 CYCLOMATIC INSTRUMENT WASHER
STERILIZER DOOR ASSEMBLY
CATALOG DWG. NO. SM 103
AMERICAN STERILIZER COMPANY, ERIE, PENNSYLVANIA
JANUARY 1956

B-2

REV. 2/88

SM103



BILL OF MATERIAL			
NO	NAME	PT. NO.	R.O
1	NUT 5/16	2947-048	8
2	L'WASHER 5/16	19691-061	20
3	BEARING	29854-091	1
4	JOINT	29885-091	1
5	SCREW 1/4-20	25453-091	1
6	SCREW 5/16-18	12264-042	12
7	PIN	8869-045	6
8	COTTER PIN	8897-091	6
9	CAM SHAFT	29858-091	1
10	SCREW	2792-045	3
11	L'WASHER	19687-045	3
12	BEARING	29855-091	1
13	ROLLER	29864-061	6
14	NUT	29862-091	6
15	STEM	48369-091	6
16	VALVE BODY	29860-091	6
17	DISC ASSEM.	44726-091	6
18	GASKET	47003-091	6
19	SPRING	10384-091	6
20	NUT	10533-091	6
21	VALVE ASSEM.	44725-091	6
22	CHANNEL	29863-045	6
23	RETAINER	29810-091	12

NOTE: REPAIR KIT FOR VALVE
P-44725-091 (REF. #21) IS
P-48642-091.

11X11X24 CYCLOMATIC INSTRUMENT
WASHER CAM AND VALVE ASSEMBLY
CATALOG DWG. NO. SM 104
AMERICAN STERILIZER COMPANY
ERIE, PENNSYLVANIA
JANUARY 1956

MAINTENANCE INSTRUCTIONS

THERMOSTAT - At wash position the dial should turn to sterile position when thermometer shows 150°. If the dial should turn before reaching 150° or rise above 150° before turning, then the thermostat must be adjusted. Turn the range adjustment screw clockwise for lower temperature setting. If it continues to operate longer than set time when unit is on sterile position and sterilizing temperature has been reached (268°-270°), check the following:

1. Remove lower front panel and check pilot light located above thermostat. Pilot light operates when timer is energized. Should the Pilot Light not light when temperature is reached, turn the adjusting screw. For 270° setting, clockwise until pilot light lights when the temperature reaches approximate 268 degrees.
2. Check steam line pressure to see that it remains constant during sterilizing cycle.
3. Check electric circuit for any interruption to timer.
 - A. Timer. - Reset timer is set to operate only when sterilizing temperature has been reached. If temperature is reduced or electrical current supply shuts off during timed cycle, the timer will reset to original setting and start new cycle, thus preventing unsterile goods being removed from sterilizer.

SWITCHES — If the operating indicating dial fails to turn at the proper time, or move past a cycle and not stop, this could mean the failure in one of the micro switches. Using the Schematic Diagram (F20238) check the switches.

When ordering parts specify Serial Number of Sterilizer, Names and Part Numbers found on Assembly Drawings.

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ADDING REAR RACK RING STOP

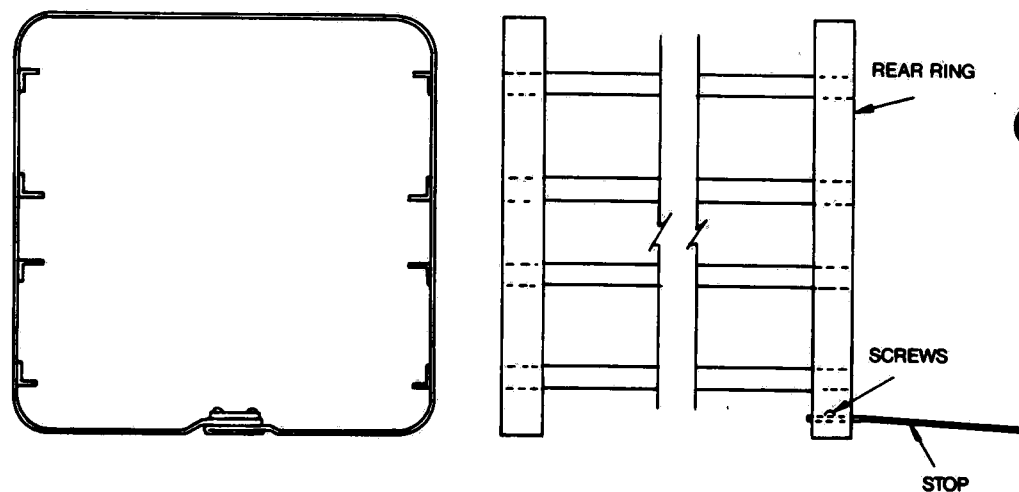
The rear ring of the rack, on units shipped before 5/67, may cover the safety valve orifice in the upper shell wall.

Units shipped after 5/67 have a stop on the rear rack ring at the expandable joint to control rack depth in the shell.

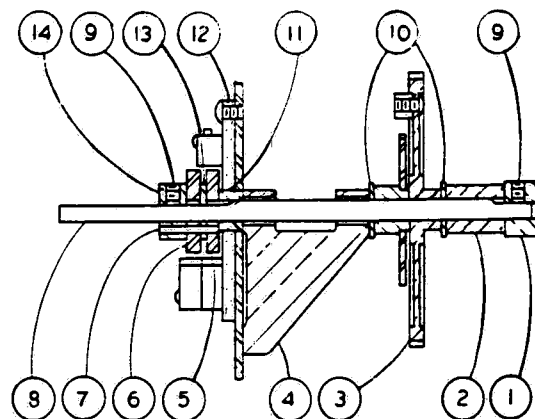
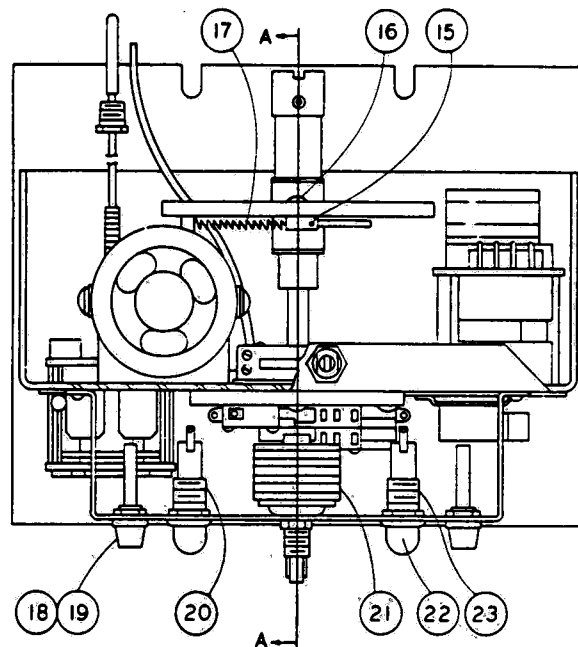
To modify units without a stop, order and install the following parts:

77304-061 — one Stop

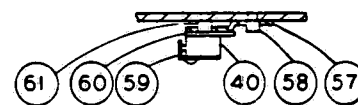
12574-061 — two Screws (10-32 x 5/16)



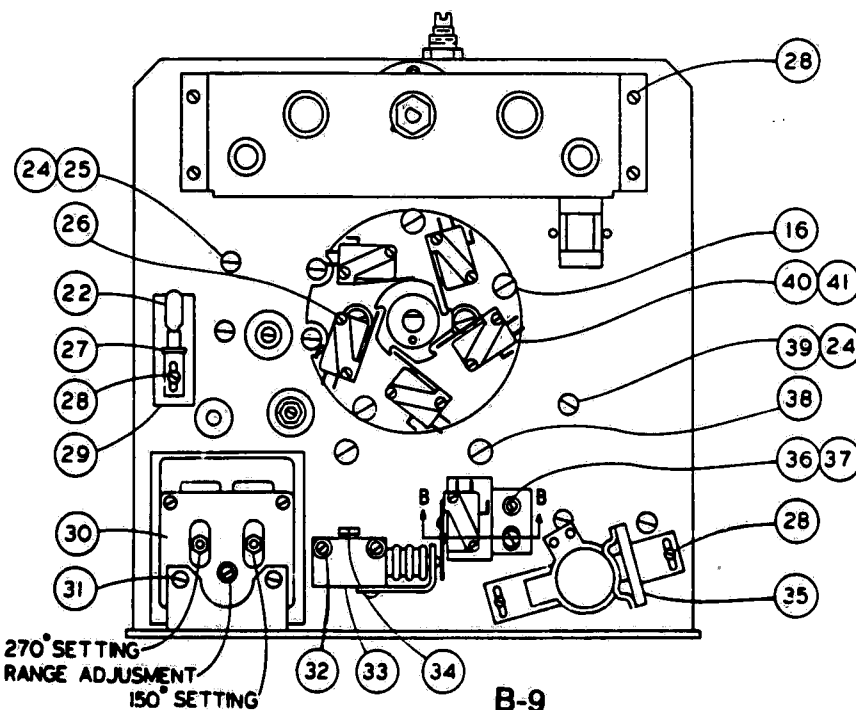
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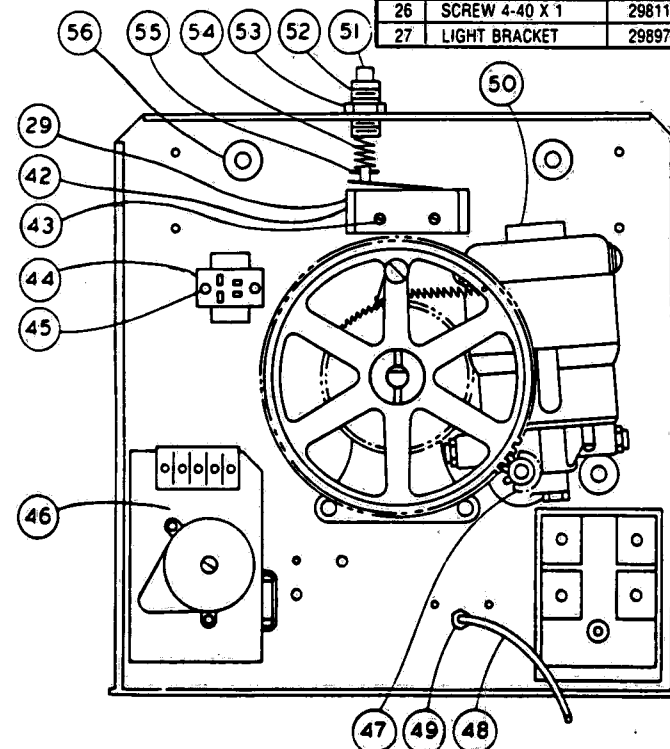
SECTION A-A



SECTION B-B



B-9



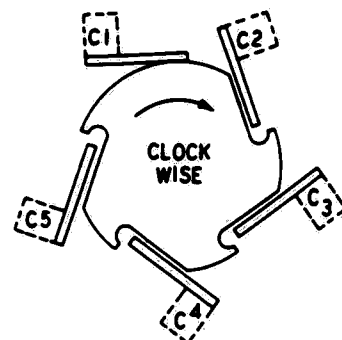
B-10

BILL OF MATERIAL				BILL OF MATERIAL			
NO.	NAME	PT. NO.	R.O.	NO.	NAME	PT. NO.	R.O.
1	UNIVERSAL JOINT	29885-091	1	28	SCREW 8-32 X 1/4	3976-041	7
2	SPACER	29884-091	1	29	INSULATION	29894-091	2
3	DRIVE GEAR	29883-091	1	30	THERMOSTAT	29801-091	1
4	BRACKET ASSEMBLY	NLA	1	31	SCREW 8-32 X 3/8	4682-041	2
5	CAM	29888-061	1	32	SCREW 10-32 X 1-1/4	9315-041	2
6	CAM	29890-001	1	33	BELLOWS	20560-091	1
7	ROLL PIN	22997-061	1	34	PLUG	3439-091	1
8	SHAFT ASSEMBLY	29880A-045	1	35	BUZZER	79739-001	1
9	SCREW 1/4-20 X 1/4	4772-045	2	36	SCREW 6-32 X 1/4	12451-041	1
10	WASHER OILITE	29816-091	2	37	WASHER NO. 6	20844-061	1
11	BUSHING	29886-091	1	38	SCREW 1/4-20 X 1/2	3998-041	4
12	INSULATOR DISC	29887-091	1	39	SCREW 10-32 X 3/8	9374-041	3
13	SPACER	29889-091	1	40	SWITCH	29804-091	10
14	BUSHING	29891-091	1	41	ACTUATOR	29872-091	9
15	PAWL	29892-045	1	42	SWITCH	29803-091	1
16	SCREW 1/4-28 X 7/16	10570-061	4	43	SCREW 6-32 X 1	18138-041	2
17	SPRING	NLA	1	44	PLUG	20334-091	1
18	FUSE 3/8 AMP	29752-091	2	45	SCREW 6-32 X 3/16	3983-041	2
19	FUSE HOLDER	20340-091	2	46	TIMER	29800-091	1
20	PILOT LIGHT, RED	24568-091	1	47	PINION GEAR	20337-091	1
21	SELECTOR SWITCH	26562-091	1	48	TUBING	NLA	1
22	LAMP NE-51, BOX OF 10	764317-708	1	49	FITTING COMPRES.	6695-091	1
23	PILOT LIGHT, CLEAR	24571-091	1	50	MOTOR ELECTRIC	51549-091	1
24	LOCKWASHER NO. 10	19677-041	7	51	PIN PLUNGER	29896-061	1
25	SCREW 10-32 X 5/8	9661-041	4	52	BUSHING	29895-091	1
26	SCREW 4-40 X 1	29811-091	8	53	NUT HEX 1/2-20	16055-045	1
27	LIGHT BRACKET	29897-091	1	54	SPRING	29806-091	1
				55	COTTER PIN	8897-091	1
				56	GROMMET	20343-091	3
				57	BRACKET	29899-045	1
				58	PIN ADJUSTING	20721-091	1
				59	ACTUATOR	29805-091	1
				60	INSULATION	29898-091	1
				61	PIN PIVOT	29914-091	1

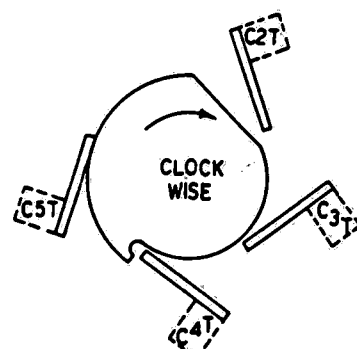
NOTE 1
NLA = NO LONGER AVAILABLE.

11 X 11 X 24
CYCLOMATIC INSTRUMENT WASHER
STERILIZER CONTROL ASSEMBLY

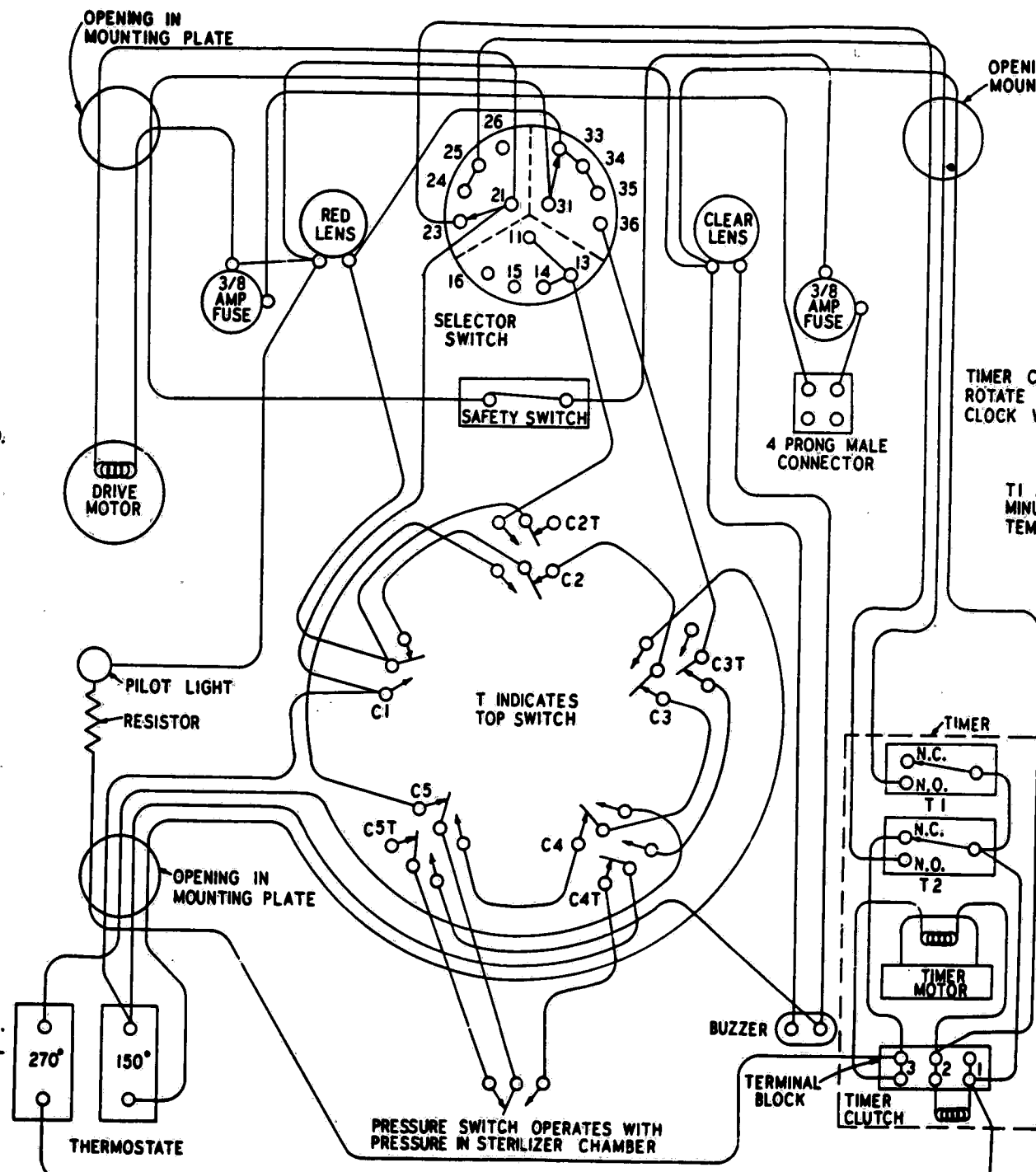
AMERICAN STERILIZER COMPANY
ERIE, PENNSYLVANIA
JANUARY 1956



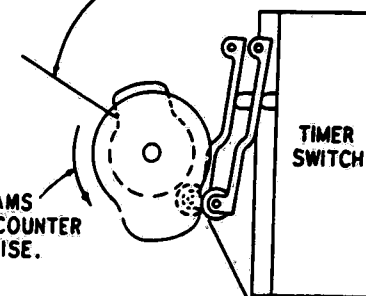
DETAIL BOTTOM CAM SWITCHES
 DETAIL SHOWS POSITION OF CAM IN "OFF" POSITION. C2, C3, C4, C5, ARE NORMAL AND C1 IS ACTUATED. IN "FILL" POSITION C1, C3, C4, C5, ARE NORMAL AND C2 IS ACTUATED. IN "WASH" POSITION C1, C2, C4, C5, ARE NORMAL AND C3 IS ACTUATED. IN "STER" POSITION C1, C2, C3, C5, ARE NORMAL AND C4 IS ACTUATED. IN "EXH" POSITION C1, C2, C3, C4, ARE NORMAL AND C5 IS ACTUATED.



DETAIL TOP CAM SWITCHES
 DETAIL SHOWS POSITION OF CAM IN "OFF" POSITION. C2T, C3T, C4T, ARE NORMAL AND C5T IS ACTUATED. IN "FILL" POSITION C3T, C4T, C5T, ARE NORMAL AND C2T IS ACTUATED. IN "WASH" POSITION C4T, C5T, ARE NORMAL AND C2T, C3T, ARE ACTUATED. IN "STER" POSITION C2T, C5T, ARE NORMAL AND C3T, C4T, ARE ACTUATED. IN "EXH" POSITION C2T, C3T, ARE NORMAL AND C4T, C5T, ARE ACTUATED.



T2 ACTUATES FOR 7 MINUTES AFTER STERILIZER TEMPERATURE IS REACHED.



TIMER CAMS ROTATE COUNTER CLOCK WISE.

T1 ACTUATES FOR 3 1/2 MINUTES AFTER STERILIZER TEMPERATURE IS REACHED.

11X11X 24
 CYCLOMATIC INSTRUMENT WASHER
 STERILIZER WIRING DIAGRAM
 CATALOG DWG. NO. SM 106
 AMERICAN STERILIZER COMPANY
 ERIE, PENNSYLVANIA
 JANUARY 1956

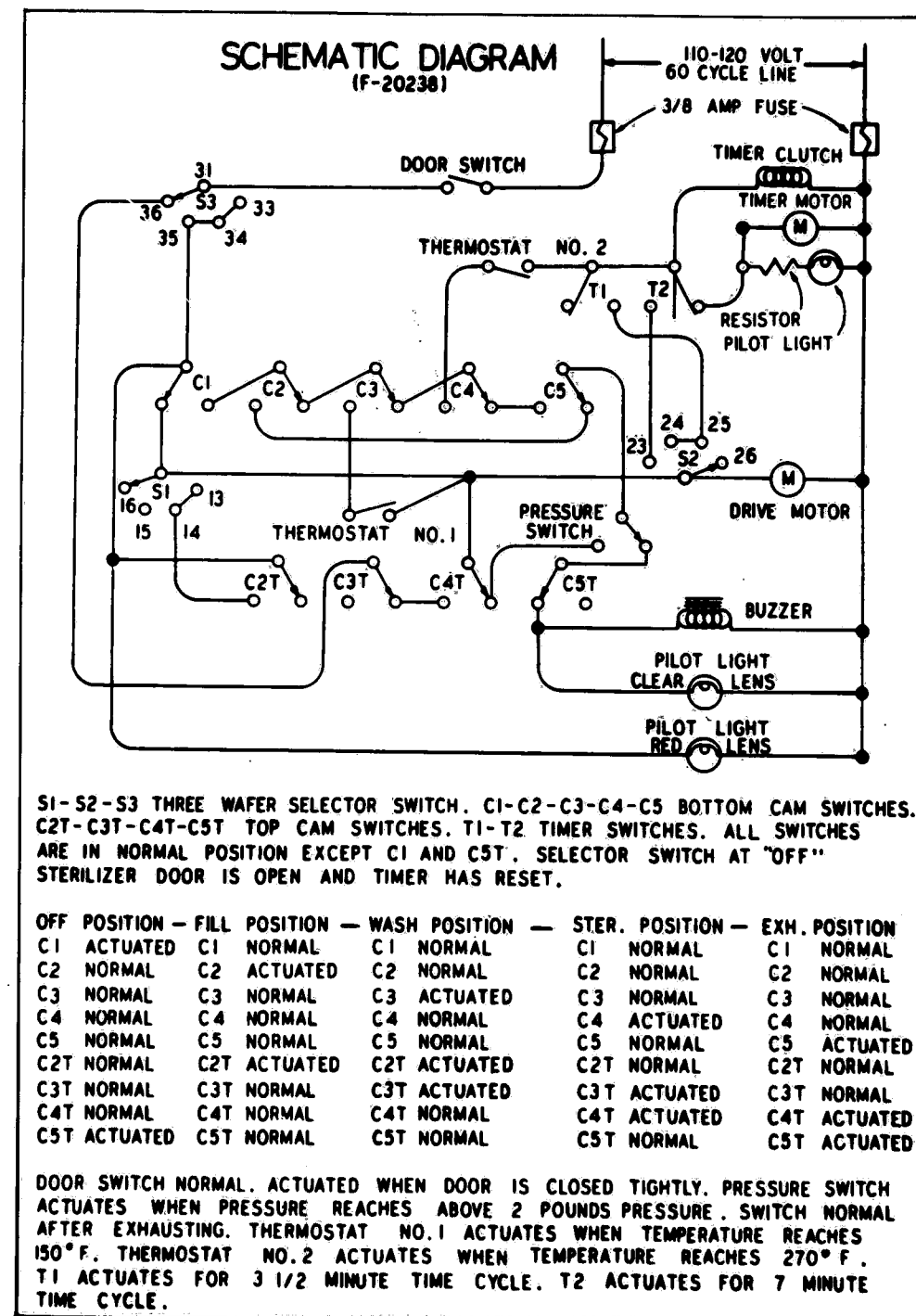
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SM106

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**AMSCO
SERVICE**

INSTRUMENT WASHER - STERILIZER

P-750203-002

2/88

1 of 1

